

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **4SNLED-LD5-56SL-SLW-UNV-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27403)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-56SL-SLW-UNV-L940-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

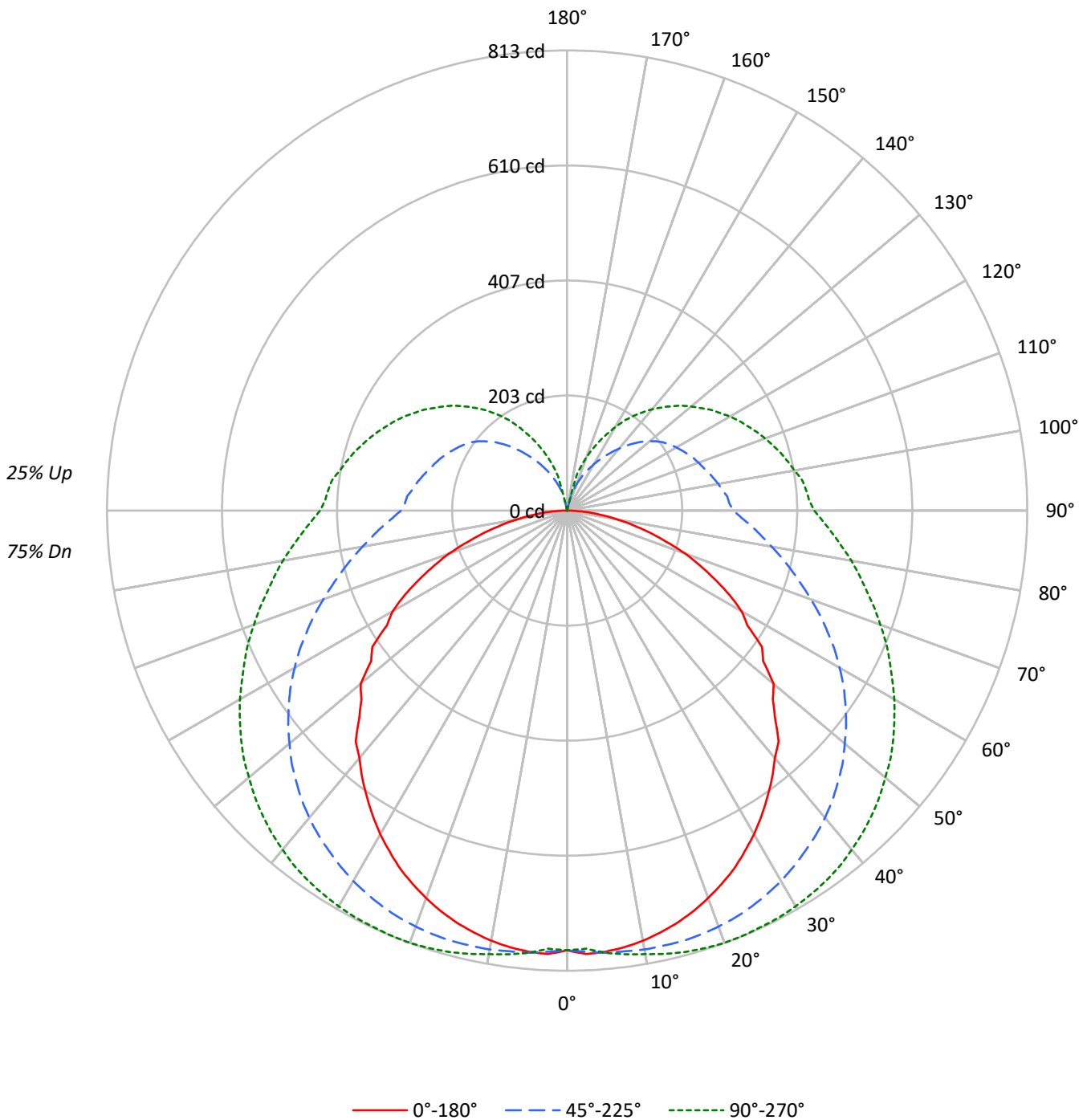
Lumens per Lamp: N/A
Luminaire Lumens: 4474.0 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 52
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	113	113	113	113	107	107	107	107	97	97	97	88	88	88	79	79	79	75
1	100	94	89	84	95	89	84	80	80	76	73	72	69	66	64	62	60	56
2	90	80	72	66	85	76	69	63	68	63	58	61	57	53	55	51	48	44
3	81	69	60	53	76	66	58	51	59	53	47	53	48	43	47	43	39	36
4	74	61	51	44	69	58	49	43	52	45	39	47	41	36	42	37	33	30
5	67	54	44	37	63	51	43	36	46	39	33	42	35	31	37	32	28	25
6	62	48	39	32	58	46	37	31	41	34	29	37	31	27	34	28	24	22
7	57	43	34	28	54	41	33	27	37	30	25	34	28	23	30	25	21	19
8	53	39	31	25	50	37	29	24	34	27	22	31	25	21	28	23	19	17
9	49	36	27	22	47	34	26	21	31	24	20	28	23	18	26	21	17	15
10	46	33	25	20	44	31	24	19	29	22	18	26	21	16	24	19	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6278	6278	6278
5°	6328	6206	6160
10°	6298	6149	6125
15°	6254	6116	6137
20°	6195	6089	6149
25°	6135	6067	6159
30°	6051	6049	6192
35°	5957	6026	6233
40°	5869	6022	6275
45°	5756	6009	6325
50°	5772	5995	6374
55°	5671	5996	6451
60°	5464	6000	6539
65°	5163	6006	6660
70°	4826	6051	6847
75°	4233	6192	7123
80°	3574	6491	7584
85°	2658	7095	8254



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.7	1.7
10°-20°	221.3	4.9
20°-30°	351.8	7.9
30°-40°	451.5	10.1
40°-50°	509.8	11.4
50°-60°	520.2	11.6
60°-70°	481.9	10.8
70°-80°	408.0	9.1
80°-90°	325.7	7.3
90°-100°	276.6	6.2
100°-110°	246.4	5.5
110°-120°	209.9	4.7
120°-130°	166.7	3.7
130°-140°	118.2	2.6
140°-150°	70.6	1.6
150°-160°	32.9	0.7
160°-170°	7.8	0.2
170°-180°	0.0	0.0
0°-30°	647.8	14.5
0°-40°	1099.2	24.6
0°-60°	2129.3	47.6
0°-90°	3344.9	74.8
90°-120°	732.8	16.4
90°-150°	1088.4	24.3
90°-180°	1129.0	25.2
0°-180°	4474.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	777	777	777	777	777	
5°	782	776	784	784	784	74
15°	754	760	787	802	807	213
25°	698	721	772	799	812	321
35°	617	662	734	779	798	386
45°	519	590	677	736	761	403
55°	420	491	600	674	703	369
65°	288	384	508	595	629	286
75°	151	268	411	512	548	161
85°	39	172	328	434	471	42
90°	2	141	293	400	436	3
95°	0	132	284	388	424	0
105°	0	122	259	356	391	0
115°	0	114	236	321	352	0
125°	0	98	209	283	310	0
135°	0	72	168	239	261	0
145°	0	47	118	179	204	0
155°	1	29	72	109	136	1
165°	1	16	33	45	64	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	776.9	776.9	776.9	776.9	776.9
2.5°	784.3	775.9	780.1	779.0	774.8
5°	782.2	775.9	784.3	784.3	784.3
7.5°	778.0	773.8	785.3	789.5	790.6
10°	771.7	771.7	787.4	793.7	795.8
12.5°	763.3	766.4	787.4	796.9	802.2
15°	753.8	760.1	787.4	802.2	807.4
17.5°	742.2	752.7	785.3	803.2	810.6
20°	728.6	744.3	782.2	803.2	812.7
22.5°	713.8	733.8	778.0	801.1	812.7
25°	698.1	721.2	771.7	799.0	811.6
27.5°	679.2	708.6	764.3	795.8	810.6
30°	660.2	693.9	755.9	791.6	807.4
32.5°	639.2	678.1	745.4	785.3	803.2
35°	617.1	662.3	733.8	779.0	797.9
37.5°	595.0	643.4	722.3	770.6	791.6
40°	570.9	624.5	708.6	760.1	782.2
42.5°	553.0	604.5	693.9	749.6	772.7
45°	519.4	589.8	677.0	735.9	761.2
47.5°	493.1	561.4	660.2	722.3	748.5
50°	476.2	538.3	640.3	706.5	733.8
52.5°	436.3	522.5	621.3	690.7	720.2
55°	420.5	491.0	600.3	673.9	703.3
57.5°	377.4	468.9	579.3	655.0	685.5
60°	356.4	438.4	556.1	636.0	667.6
62.5°	323.8	412.1	533.0	615.0	647.6
65°	288.1	383.7	507.8	595.0	628.7
67.5°	254.4	355.3	483.6	574.0	609.8
70°	221.8	325.9	458.4	553.0	588.7
72.5°	184.0	296.5	434.2	533.0	568.8
75°	151.4	268.1	411.1	512.0	547.7
77.5°	119.9	240.8	389.0	493.1	528.8
80°	90.4	214.5	366.9	473.1	509.9
82.5°	63.1	192.4	346.9	454.2	489.9
85°	38.9	172.4	328.0	434.2	471.0
87.5°	17.9	154.5	309.1	415.3	453.1
90°	2.1	140.9	293.3	399.5	436.3
92.5°	1.1	136.7	287.0	392.1	427.9
95°	0.0	132.5	283.9	387.9	423.7
97.5°	0.0	128.3	276.5	381.6	418.4
100°	0.0	126.2	271.2	372.2	407.9
102.5°	0.0	123.0	264.9	363.8	399.5
105°	0.0	122.0	258.6	356.4	391.1
107.5°	0.0	119.9	252.3	346.9	381.6
110°	0.0	117.7	247.1	338.5	372.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	115.6	241.8	330.1	362.7
115°	0.0	113.5	235.5	320.7	352.2
117.5°	0.0	110.4	229.2	311.2	342.7
120°	0.0	106.2	222.9	302.8	332.2
122.5°	0.0	102.0	216.6	292.3	320.7
125°	0.0	97.8	209.2	282.8	310.1
127.5°	0.0	91.5	200.8	272.3	297.5
130°	0.0	85.2	190.3	261.8	286.0
132.5°	1.1	78.8	179.8	250.2	274.4
135°	0.0	72.5	168.2	238.6	260.7
137.5°	0.0	67.3	155.6	226.0	247.1
140°	0.0	61.0	143.0	211.3	233.4
142.5°	0.0	53.6	130.4	195.5	218.7
145°	0.0	47.3	117.7	178.7	204.0
147.5°	1.1	42.1	106.2	160.9	188.2
150°	1.1	37.8	94.6	143.0	170.3
152.5°	1.1	33.6	83.1	126.2	152.4
155°	1.1	29.4	72.5	109.3	135.6
157.5°	1.1	25.2	61.0	92.5	117.7
160°	1.1	22.1	50.5	77.8	100.9
162.5°	1.1	18.9	41.0	61.0	83.1
165°	1.1	15.8	32.6	45.2	64.1
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)